London, June 20, 1771.

PROPOSALS for Printing, in monthly Numbers,

THE

DIARIAN REPOSITORY:

OR,

MATHEMATICAL REGISTER.

CONTAINING

All the QUESTIONS, together with their SOLUTIONS, which have been annually publifhed in the LADIES DIARY, from the Commencement thereof, in 1707, (when Queftions of this Kind were firft introduced into that Work) to the prefent Time.

By a SOCIETY of MATHEMATICIANS.

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CONDITIONS.

I. THAT the Work be printed in Quarto, and will make One handfome Volume.

II. That the Whole will be comprifed in Thirty Numbers.

III. Each Number (Price only Six-pence) will contain three Sheets of Letter Prefs and Cuts.

IV. The firft Number to be publifhed on Thurfday, Auguft 1, 1771, and thence regularly continued on the firft Day of each fucceffive Month until the Whole fhall be compleated.

To the P U B L I C.

THE Defign of this WORK is to collect from the LADIES DIARIES a complete Set of MATHEMATICAL QUESTIONS regiftered in the fame Order, with the Names of their refpective AUTHORS, under which they appeared in each fucceffive Number of that annual Publication. It is farther propofed, to annex one or more of the beft ANSWERS, then given, and likewife to fubjoin (when neceffary) a REPOSITORY SOLUTION, agreeable to the lateft Improvements in the feveral Branches of Mathematical Learning: The Utility of fuch Solutions (which we call by the Name of Repofitory, becaufe given by the Editors themfelves) is extremely obvious, as many of thofe publifhed in the Diaries refer only to the bare Numbers which fatisfy the Conditions of the Queftion, without any Sort of Inveftigation whatfoever; not to mention many more to which falfe and abfurd Solutions have been printed. It fhall therefore be our greateft Care to fupply thofe Defects by rendering the Queftions perfectly clear, and their fubfequent Anfwers as eafy to be underftood as the Nature of the Subject will admit. By thefe Means our Mathematical Readers will be furnifhed with more than fix Hundred Queftions propofed by, and confequently the Invention of almoft as many different Perfons, which muft undoubtedly produce fuch a Variety of Examples in the various Parts of Mathematical Enquiries, as to render this intended Performance a complete Exercife for thofe who have already acquired the firft Principles of analytical and philofophical Knowledge.